**General Principles for prescribing:**
- Administer the pre-operative IV prophylaxis dose within the 60 minutes prior to skin incision/intervention.
- If severe blood loss repeat antibiotic dose for: ceftazidime, flucloxacillin, clindamycin, co-amoxiclav (all at full prophylactic dose) and gentamicin (at half prophylaxis dose). Do not redose metronidazole or teicoplanin.
- To reduce the risk of post-operative drug errors, prescribe antibiotics on the ‘Once Only’ section of the drug kardex and also on the anaesthetic record.
- Check previous microbiology and seek opinion for patients on existing antimicrobial therapy or with complex microbiological problems.
- Follow paediatric monographs for drug reconstitution and administration.

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**Surgery** | **Procedure** | **Antibiotic** | **Pre-operative Dose** | **Intra-operative Doses** | **Post-operative Doses**
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**ENT surgery**
- **Sialectomy** | *Cefazolin* 30mg/kg (max 1.2g) | Every 4 hours | **50mg/kg (max 1.5g)** | Every 4 hours | Not required
- **Cricotracheal resection** | *Cefazolin* 5mg/kg (max 400mg) infused over 30 minutes | Every 4 hours | **7.5mg/kg (max 500mg)** | Every 4 hours | Not required
- **Cricotracheal reconstruction** | *Cefazolin* 30mg/kg (max 1.2g) for 1 week OR if infected with *Penicillin G* | Every 4 hours | **5mg/kg (max 400mg)** | Every 8 hours | Not required
- **Closure of tracheoesophageal fistula** | *Cefazolin* 30mg/kg (max 1.2g) | Every 4 hours | **8 hourly for 1 week** | Not required | Co-amoxiclav once daily at night

**Closure of tracheoesophageal fistula**
- *Cefazolin* 30mg/kg (max 1.2g) | Every 4 hours | **8 hourly for 1 week** | Not required | Co-amoxiclav once daily at night

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**General Surgery**
- **Upper Gastrointestinal** | *Cefazolin* 30mg/kg (max 1.2g) | Every 4 hours | **50mg/kg (max 1.2g)** | Every 4 hours | Not required
- **Lower Gastrointestinal** | *Cefazolin* 30mg/kg (max 1.2g) | Every 4 hours | **50mg/kg (max 1.5g)** | Not required | Co-amoxiclav once daily at night

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**Neurosurgery**
- **Craniotomy** | *Cefazolin* 30mg/kg (max 1.2g) | Every 4 hours | **50mg/kg (max 1.5g)** | Every 8 hours | Not required

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**Urology Surgery**
- **Circumcision** | Not required | **Topical chlorhexidine if required** | Not required | Not required | Not required

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**Orthopaedic Surgery**
- **Skeletal** | *Cefazolin* 50mg/kg (max 400mg) infused over 30 minutes | Every 4 hours | **8 hourly for 1 week** | Not required | Co-amoxiclav once daily at night

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**Plastic Surgery**
- **Tissue** | *Flucloxacillin* | **25mg/kg (max 1g)** | Every 4 hours | **50mg/kg (max 2g)** | Every 4 hours | Not required
- **Transplanted material** | *Flucloxacillin* | **10mg/kg (max 0.5g)** | Not required | **50mg/kg (max 2g)** | Every 4 hours | Not required
- **Transplanted bone graft** | *Flucloxacillin* | **25mg/kg (max 1g)** | Not required | **50mg/kg (max 2g)** | Every 4 hours | Not required

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**Critical care**
- **Respiratory** | *Flucloxacillin* | **50mg/kg (max 2g)** | Not required | **100mg/kg (max 5g)** | Every 4 hours | Not required
- **Resuscitation** | *Flucloxacillin* | **50mg/kg (max 2g)** | Not required | **100mg/kg (max 5g)** | Every 4 hours | Not required
- **Cardiothoracic** | *Flucloxacillin* | **100mg/kg (max 5g)** | Not required | **100mg/kg (max 5g)** | Every 4 hours | Not required

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